



1st Meeting on Planning a Fermilab

Remote Control Room (RCR)

Remote Operations Center (ROC)

Remote Data Access Center (RDAC)

Remote Maintenance & Diagnostics Center

Remote ... Center

Erik Gottschalk

May 4, 2005



Charge from Mike Witherell

Subject: Fermilab Remote Operations Center for commissioning and operations of CMS and the LHC accelerator

To: Erik Gottschalk

By the end of this decade the majority of US high-energy physicists will turn their attention to the operation of LHC experiments and the LHC accelerator complex at CERN, while preparing for the possible construction of an International Linear Collider. To be actively engaged in experiment and accelerator operations at the LHC, it is expected that remote operations capabilities will be needed to support physics analysis efforts in the US and to support effective integration of US accelerator scientists and engineers within the LHC commissioning effort. Use of this facility would reduce the number of physicists, engineers, postdoctoral researchers and graduate students that need to reside in Europe. The development of advanced remote operations capabilities will also be necessary for the operation of a future International Linear Collider.

I am asking you to chair a committee to construct a plan for a Fermilab Remote Operations Center. I would like that committee to:

- define the high level requirements for a Remote Operations Center for commissioning and operations of CMS and the LHC accelerator; and
- develop cost and schedule estimates for the implementation of a Remote Operations Center.

I would like the committee to prepare a preliminary report by the end of July, 2005, describing the requirements and scope of a Remote Operations Center located at Fermilab. The committee would then prepare its final report, including a resource loaded schedule, by the end of 2005.

Thanks to you and the entire committee for taking on this important responsibility.



Core Committee

- Erik Gottschalk (Chair) – FNAL-PPD
- Elvin Harms – FNAL-AD
- Shuichi Kunori – University of Maryland
- Michael Lamm – FNAL-TD
- Mike Lamont – CERN-AB
- Kaori Maeshima – FNAL-PPD
- Patty McBride – FNAL-CD
- Elliott McCrory – FNAL-AD
- Suzanne Panacek – FNAL-CD



Advisory Committee (**not final**)

- Dan Green – FNAL-PPD
- Alvin Tollestrup – FNAL-PPD
- Joel Butler – FNAL-PPD
- Mike Church – FNAL-AD
- Sandor Feher – FNAL-TD
- Jim Kowalkowski – FNAL-CD
- Bob Mau – FNAL-AD
- Steve Peggs – BNL-AM
- Vladimir Shiltsev – FNAL-AD
- Jean Slaughter – FNAL-AD
- Mike Syphers – FNAL-AD
- Mike Tartaglia – FNAL-TD

We have yet to contact additional members for this committee at CERN, CESR, and Universities.



Today's Agenda

Start	Title	Author	Topic(s)	Files	Length	Notes
14:00	Welcome and Charge	Erik E Gottschalk	Remote Operations:Organization	PPT PDF	00:10	Note
14:10	FNAL Remote Data Access Center	Alvin Tollestrup	Remote Operations:Accelerator	PPT PDF	00:20	Note
14:30	Discussion	None	Remote Operations:Accelerator		00:10	Note
14:40	US CMS Remote Operations Center ROC	Daniel R. Green	Remote Operations:CMS detector	PPT PDF	00:20	Note
15:00	Discussion	None	Remote Operations:CMS detector		00:10	Note
15:10	Committee organization	Erik E Gottschalk	Remote Operations:Organization		00:15	Note